

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/032223

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C10G11/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 313 131 A (EXXON RESEARCH ENGINEERING CO) 19 November 1997 (1997-11-19)	1,2,4,7, 9-19,21, 25-31
Y	page 4, paragraph 3 page 5, paragraph 3 page 6, paragraph 2 page 11, paragraph 2; claims 1,3,4; figure 1; examples 1,2	1,8,19, 24
X	US 4 405 445 A (KOVACH STEPHEN M ET AL) 20 September 1983 (1983-09-20)	1-6, 9-23, 25-31
Y	column 4, line 58 - line 68 column 5, line 13 - line 30 column 10, line 15 - line 32 column 15, line 12 - line 19; claims 1,5	1,7,8, 19,24
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

18 January 2005

Date of mailing of the international search report

27/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>EP 0 933 123 A (MOBIL OIL CORP) 4 August 1999 (1999-08-04) paragraphs '0045!, '0047!; claim 1 -----</p>	<p>1,7,8, 19,24</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2313131	A	19-11-1997	NONE	
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			EP 0073396 A2	09-03-1983
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			DE 69907526 T2	20-11-2003
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